

U.S. Serial No. 09/784,885
Reply to Office Action Dated: 10/28/2003
Family Number: P1998J135A

Page 3 of 13

AMENDMENTS TO THE CLAIMS

Claims 1-5 (cancelled)

Claim 6 (currently amended) An unleaded ~~EPA-compliant~~ gasoline pump fuel which ~~provides total emissions no higher than those allowed under CARB regulations for Clean Burning Gasolines (CBG), Title 13 California Code of Regulations, Sections 2260 et seq.,~~ which has the following properties:

T ₁₀ , °F	<= 140
T ₅₀ , °F	> 215 = < 220
T ₉₀ , °F	< 330
RVP, psi	<= 7.0
S, ppmw	<= 50
Oxygen, wt%	<= 3.5 <u>1.5 - 2.9</u>
Aromatics, vol%	<= 35
Olefins, vol%	<= 10
Benzene, vol%	<= 1.0
Paraffins, vol. pct.	<= 75
API°	>= 59
RVP, psi	6.6 - 7.0

Claim 7 (currently amended) A The fuel according to claim 6, 10, 16, 17, 18 or 19 which has a RVP of 6.6 psi maximum.

Claim 8 (currently amended) A The fuel according to claim 6, 10, 16, 17, 18 or 19 which has a T₅₀ of from ~~215°F to 218°F~~ and a RVP of 6.6 to 6.9 psi.

U.S. Serial No. 09/784,885

Reply to Office Action Dated: 10/28/2003

Family Number: P1998J135A

Page 4 of 13

Claim 9 (currently amended) A The fuel according to claim 6, 10, 16, 17, 18 or 19 which also possesses ~~at least one of the following properties~~ property:

T ₉₀ , °F	315-330 <u>315 - 325</u>
S, ppmw	<=35
Oxygen, wt%	<=2

Claim 10 (currently amended) A An unleaded gasoline pump fuel according to ~~claim 6~~ which possesses has the following properties:

T ₁₀ , °F	<= 140
T ₉₀ , °F	315 - 330
S, ppmw	<= 35
Oxygen, wt%	<=2 <u>1.5 - 2.9</u>
Aromatics, vol%	<= 35
Olefins, vol%	<= 10
Benzene, vol%	<= 1.0
Paraffins, vol%	<= 75
API°	>= 59
<u>RVP</u>	<u><= 7</u>

Claim 11 (cancelled)

Claim 12 (currently amended) A The fuel according to claim 9 6, 10, 16, 17, 18 or 19 which has an octane rating of 92 to 93 (R+M)/2 and an aromatics content of 12 to 20 vol percent and a benzene content of not more than 0.80 vol%.

Claim 13 (currently amended) A The fuel according to claim 9 6, 10, 16, 17, 18 or 19 which has an octane rating of 87 (R+M)/2 and an aromatics content of 12 to 20

U.S. Serial No. 09/784,885
Reply to Office Action Dated: 10/28/2003
Family Number: P1998J135A

Page 5 of 13

vol percent and a benzene content of not more than 0.70 vol% ~~and an olefin content of 2 to 10 vol%.~~

Claim 14 (currently amended) A The fuel according to claim ~~9~~ 6, 10, 16, 17,
18 or 19 which has a sulfur content of not more than 25 ppmw.

Claim 15 (cancelled)

Claim 16 (new) An unleaded gasoline pump fuel which has the following
properties:

T ₁₀ , °F	< = 140
T ₅₀ , °F	> 215 = < 220
T ₉₀ , °F	315 - 330
RVP, psi	< = 7.0
S, ppmw	< = 50
Oxygen, wt%	< = 3.5 <u>1.5 - 2.9</u>
Aromatics, vol%	< = 35
Olefins, vol%	< = 10
Benzene, vol%	< = 1.0
Paraffins, vol%	< = 75
API°	> = 59

U.S. Serial No. 09/784,885
Reply to Office Action Dated: 10/28/2003
Family Number: P1998J135A

Page 6 of 13

Claim 17 (new) An unleaded gasoline pump fuel which has the following properties:

T ₁₀ , °F	<= 140
T ₅₀ , °F	> 215 = < 220
T ₉₀ , °F	< 330
RVP, psi	<= 7.0
S, ppmw	<= 50
Oxygen, wt%	<= 3.5
Aromatics, vol%	not more than 28
Olefins, vol%	<= 10
Benzene, vol%	<= 1.0
Paraffins, vol. pct.	<= 75
API°	>= 59

Claim 18 (new) An unleaded gasoline pump fuel which has the following properties:

T ₁₀ , °F	<= 140
T ₉₀ , °F	315 - 330
S, ppmw	<= 35
Oxygen, wt%	<= 2
Aromatics, vol%	not more than 28
Olefins, vol%	<= 10
Benzene, vol%	<= 1.0
Paraffins, vol%	<= 75
API°	>= 59
RVP, psi	<= 7

U.S. Serial No. 09/784,885
Reply to Office Action Dated: 10/28/2003
Family Number: P1998J135A

Page 7 of 13

Claim 19 (new) An unleaded gasoline pump fuel which has the following properties:

T ₁₀ , °F	<= 140
T ₅₀ , °F	> 215 = < 220
T ₉₀ , °F	315 - 330
RVP, psi	<= 7.0
S, ppmw	<= 50
Oxygen, wt%	<= 3.5
Aromatics, vol%	not more than 28
Olefins, vol%	<= 10
Benzene, vol%	<= 1.0
Paraffins, vol%	<= 75
API°	>= 59